NSMITTAL F	ORM	Application No. Filing Date	10/613,006	
(to be used for all correspondence after initial filing)		First Named Inventor	July 7, 2003	
		Art Unit	Sarah E. Kim	
			2813	
Total Number of Pages in This Submiss	ion 5	Examiner Name	Dolan, Jennifer M.	
Total Number of Pages III This Submiss	5	Attorney Docket Number	42P12750D	
ENCLO	SURES (chec	k all that apply)		
Fee Transmittal Form	Drawing(s)	•	After Allowance Communication to Group	
Fee Attached	Licensing-	related Papers	Appeal Communication to Boar of Appeals and Interferences	
Amendment / Response	Petition		Appeal Communication to Grou (Appeal Notice, Brief, Reply Brief)	
After Final Affidavits/declaration(s)	Petition to Convert a Provisional Application		Proprietary Information	
Extension of Time Request	Power of A Change of	Attorney, Revocation Correspondence Address	Status Letter	
Express Abandonment Request	Terminal Disclaimer  Request for Refund  CD, Number of CD(s)		Other Enclosure(s) (please identify below):	
Information Disclosure Statement			Supplemental Declaration/POA	
PTO/SB/08  Certified Copy of Priority Document(s)			Return Postcard	
Response to Missing Parts/ Incomplete Application	Domada.	1		
Basic Filing Fee	Remarks			
Declaration/POA				
Response to Missing Parts under 37 CFR 1.52 or 1.53				
SIGNATUR	E OF APPLICA	NT, ATTORNEY, OR AC	SENT	
Firm Paul A. Mendo	nsa, Reg. No.	42,879		
	OKOLOFF,	TAYLOR & ZAFM	AN LLP	
Signature	//	longs		
Date January 25, 20				
CERTIF	ICATE OF MAIL	ING/TRANSMISSION		
hereby certify that this correspondence is be sufficient postage as first class mail in an en	eing deposited wit	h the United States Postal	Service on the date shown below with	

Based on PTO/SB/21 (04-04) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 06/04/2004. SEND TO: Commissioner for Patents, P.O. Box/1450, Alexandria, VA 22313-1450

JAN 31 2005 2					
√ EEE TDANGM	ITTAI	С	Complete if Known		
LEE I LYANSIN		Application Number	10/613,006		
FEE TRANSM for FY 200	)5	Filing Date	July 7, 2003		
Patent fees are subject to annual i		First Named Inventor	Sarah E. Kim		
Applicant claims small entity status.	See 37 CFR 1.27.	Examiner Name	Dolan, Jennifer M.		
	T.a	Art Unit	2813		
TOTAL AMOUNT OF PAYMENT	(\$) 0.00	O Attorney Docket No.	42P12750D		

METHOD	OF PAY	MENT (cl	neck all t	hat apply)		
□ Check □ Credit card □ Money Order □ None □ Other (please identify):						
Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman					afman LLP	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing  Charge any additional fee(s) or underpayment of fee(s)  under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.					filing fee	
FEE CALCUL	_ATION					
Large Entity Small Entity		Entity				
Fee Fee	9	Fee	Fee	Foo Description		
Code(\$)	)	Code	(\$)	Fee Description	Fee Paid	
1051	130	2051	65	Surcharge - late filing fee or oath		
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
2053	130	2053		Non-English specification	· · · · · ·	
1251	120	2251	60	Extension for reply within first month		
1252	450	2252		Extension for reply within second month		
1253	1,020	2253	510	Extension for reply within third month		
1254	1,590	2254		Extension for reply within fourth month		
1255	2,160	2255	1,080	Extension for reply within fifth month		
1401	500	2401		Notice of Appeal		
1402	500	2402	250	Filing a brief in support of an appeal		
1403	1,000	2403	500	Request for oral hearing		
1451	1,510	2451		Petition to institute a public use proceeding		
1460	130	2460	130	Petitions to the Commissioner		
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		
1806	180	1806	180	Submission of Information Disclosure Stmt		
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))		
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b)		
Other fe	e (spe	cify) S	uppler	nental Declaration/POA - No Fee	0.00	
				SUBTOTAL (2) (\$	0.00	

SUBMITTED BY					Complete (if applicable)	
Name (Print/Type)	Paul A Mendonsa	Registration No. (Attorney/Agent)	42,879	Telephone	(503) 439-8778	
Signature	And A Mandara			Date	01/25/05	

Attorney's Docket No.: P12750D



## TOT AVAILABLE COPY

**PATENT** 

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name is listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## A BARRIER STRUCTURE AGAINST CORROSION AND CONTAMINATION IN THREE-DIMENSIONAL (3-D) WAFER-TO-WAFER VERTICAL STACK

the specification of which
is attached hereto.
X was filed on July 7, 2003 as
United States Application Number
or PCT International Application Number
and was amended on(if applicable)
(if applicable)
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.
I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.
l acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.
I hereby appoint practitioners associated with the Customer Number: 25694 as my/our attorney(s) or agents(s), with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

INTEL CORPORATION

(Name of Attorney or Agent)

Intel Corporation, M/S SC4-202, P.O. Box 5326, Santa Clara, CA, 95056-5326, and

Please direct all correspondence to: Jay Beale, Intel Americas, Inc.

direct telephone calls to: Jay Beale, <u>Intel Americas, Inc.</u> (703) 633-0927. (Name of Attorney or Agent)

Attorney's Docket No.: P12750D

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by time o: imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inve	entor o Scot A. Kellar		_
Inventor's Signatu	ure List Akella	Date 12./15/04	
Residence	Bend, OR (City, State)	Citizenship USA (Country)	
Post Office Addre	ess 1659 NW Albany Ave, Be	nd, OR, 97701	_

-2-

Attorney's Docket No.: P12750D

## Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

Rev. 11/10/2004